Bhuvvaan Punukolu

Boulder, CO

(720) 334 3174 | bhuvvaan@gmail.com | linkedin.com/in/bhuvvaan-chandra/ | github.com/bhuvvaan | bhuvvaan.github.io

PROFESSIONAL SUMMARY

Data Scientist with 3+ years of experience driving product strategy through machine learning, statistical modeling, and cross-functional collaboration. Adept at translating complex datasets into actionable insights for large-scale applications and optimizing business decisions. Skilled in Python, SQL, A/B testing, and big data tools (Spark, GCP). Proven track record of influencing product roadmaps at Flipkart ($40B e-commerce platform) and delivering real-time analytics solutions at Hartree Partners.

EDUCATION

University of Colorado Boulder
Master of Science, Data Science | GPA 4.0/4.0   Aug 2023 - May 2025
  • **Relevant Coursework**: Machine Learning, Neural Networks, Statistics, Computer Vision, Data Mining   (Avbl. from 27 Jun)

Indian Institute of Technology Madras
Master of Technology, Mechanical Engineering | GPA 8.6/10   Aug 2018 - Jul 2020

Indian Institute of Technology Madras
Bachelor of Technology, Aerospace Engineering   Aug 2013 - Jul 2017
  • **Notable Achievement**: Secured All India Rank 1 in GATE Aerospace Engineering 2018.

TECHNICAL SKILLS

Languages: Python (PyTorch, Keras), SQL, R, Apache Spark
Tools: Google Cloud Platform, Power BI, Big Query, Kubernetes, Git, Linux
Methods: A/B Testing, Statistical Modeling, Time-Series Forecasting, Machine Learning, Data Mining
Domain Expertise: Product Analytics, Pricing Strategy, Cross-functional Collaboration, Large-Scale Data Pipelines

PROFESSIONAL EXPERIENCE

Flipkart E-Commerce (Walmart Group) | **Data Scientist** | Bangalore, India   Jul 2021 - Sep 2023
India's largest e-commerce platform ($40B valuation)
  • **Product Development:** Created a patented framework for tracking competitor price wars, and implemented it with the collaboration of business and engineering teams preventing **$500K+ in annual revenue loss**.
  • **Machine Learning:** Built a machine learning framework (MSKU) using product attributes to identify 1,000+ replaceable SKUs, enhancing competitive intelligence and reducing redundant inventory costs by **15%**.
  • **Pricing Strategy:** Spearheaded pricing strategy for 30% of platform products by identifying Key Value Items (KVIs) through traffic and elasticity analysis, directly influencing **$3.5M+ in GMV contribution**.
  • **Experimentation:** Designed a sensitivity analysis metric linking price changes to GMV shifts, enabling targeted pricing strategies that improved margin efficiency by **3%**.
  • **Analytics:** Revamped Power BI dashboards and data pipelines, delivering weekly insights to senior leadership and 200+ stakeholders to drive category-wide decisions.
  • **Collaboration:** Awarded Ace Alliance for the output produced and inter-team collaboration within a team of 25 people on increasing market share and converting low propensity customers, which led to a **$400K increase in GMV** per day.

Hartree Partners LP (Oaktree Capital) | **Data Analyst Intern** | New York, NY   Jun 2024 - Aug 2024
$10 Billion commodities trading fund.
  • **Predictive Analytics:** Modeled financial performance of 100+ U.S. power assets, generating investment signals that improved EBITDA forecasting accuracy by **20%**.
  • **Data Visualization:** Developed a full-stack web app (APIs, Kubernetes) for real-time asset health monitoring, enabling traders to optimize portfolio decisions.
  • **Market Insights:** Analyzed market-implied heat rates across 3 ISOs, uncovering load-temperature dependencies to guide long-term trading strategies.

University of Colorado Boulder | Graduate Teaching Assistant | Boulder, CO   Aug 2023 - Present
  • Leading a team of 4 TAs to streamline grading for **150+ students** using custom GPTs, reducing error rate by **30%**.

RESEARCH PROJECTS

Multi-Agent Human Robot Collaboration | University of Colorado Boulder   Aug 2024 - Present
  • Designing a diffusion model to optimize automatic robotic warehouse layouts, projected to improve throughput by **25%** (deployed on GCP).
  • Developing reinforcement learning environments with Stable Diffusion to enhance human-robot collaboration in logistics.